LUCAS LASHER

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EDUCATION

University of Illinois at Urbana-Champaign
College of Engineering
Bachelor of Science in Mechanical Engineering

August 2016 – December 2020
Cumulative GPA: 3.25/4.00

PROFESSIONAL EXPERIENCE

Illinois Business Consulting

Consultant

Champaign, Illinois
Fall 2019 – present

- Investigated organizational causes of ineffective risk and issue management for national weapons researcher
- Evaluated impact of inadequate forecasting on ultimate project cost and duration
- Delivered recommendations aimed at empowering project performance between business and technical silos

University Housing, University of Illinois

Resident Advisor

Urbana, Illinois
Fall 2017 – present

- Apply an educational approach to assist residents in shaping their individual definitions of success
- Respond in events of health, life safety, crisis, and other emergencies or significant campus incidents
- Address the unique needs of underrepresented, international, and individual students and successfully incorporate these students into university communities
- Supervise residence hall groups to manage a programming budget in excess of $4,000

LyondellBasell Polymers

Mechanical Equipment and Reliability Co-op II, III

Morris, Illinois
Fall 2018

Houston, Texas
Summer 2019

- Developed and implemented maintenance risk methods to extend critical equipment life and promote sustained reliability
- Instituted Management of Change scopes to extruder cooling systems and die plates to curtail frequency of vital equipment shutdowns
- Explored and resolved root causes responsible for reoccurring failure modes in centrifugal pumps
- Ensured all strategies complied with health, safety, and environmental oversights

Caterpillar

Statistical Tolerance Assembly Analysis (STA) Intern

Champaign, Illinois
Summer 2018

- Applied tolerance analysis methods and GD&T standards to identify assembly fit-up risks on heavy earthmovers
- Performed STA simulations to predict real-world assembly failures according to three-sigma metrics
- Accurately modeled assembly components in CAD software (*PTC Creo*) and STA software (*Visualization MockUp*)


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